






FORM PTO-1449	Docket Number (Optimal) 89160.0010	Application Number 10/045,837
<b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b> (Use several sheets if necessary)		
Applicant GURVICH et al.		
Filing Date January 11, 2002		Group Art Unit 2817

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

Bryant, et al.	"Parameters of Microstrip Transmission Lines and of Coupled Pairs of Microstrip Lines", <i>IEEE Transactions on Microwave Theory and Techniques</i> , Vol. MTT-16, No. 12, December 1968
Herzog, H.	"Microstrip Couplers with Improved Directivity", <i>Electronics Letters</i> , Vol. 14, No. 3, February 1978
Schaller, G.	"Directivity Improvement of Microstrip N4-Directional Couplers", <i>AEU</i> , Vol. 26, No. 11, 1972, pages 508-509
Rehmark, R.	"High Directivity CTL-Couplers and a New Technique for the Measurement of CTL-Coupler Parameters", <i>IEEE Transactions on Microwave Theory and Techniques</i> , Vol. MTT-25, No. 12, December 1977, pages 1116-1121
Podell, A.	"A High Directivity Microstrip Coupler Technique", <i>International Microwave Symposium Digest</i> , 1970 G-MTT, pages 33-37
Sheleg, B.	"Broad-Band Directional Couplers Using Microstrip with Dielectric Overlays", <i>IEEE Transactions on Microwave Theory and Techniques</i> , Vol. MTT-22, No. 12, December 1974, pages 1216-1220
Alexopoulos, N. et al.	"Characteristics of Single and Coupled Microstrips on Anisotropic Substrates", <i>IEEE Transactions on Microwave Theory and Techniques</i> , Vol. MTT-26, No. 6, June 1978, pages 387-393
Aikawa, M.	"Microstrip Line Directional Coupler with Tight Coupling and High Directivity", <i>The Transactions of the IECE of Japan</i> , Vol. E 60, No. 4, Abstracts, pages 206-207, April 1977
Lange, J.	"Interdigitated Stripline Quadrature Hybrid", <i>IEEE Transactions on Microwave Theory and Techniques</i> , December 1969, pages 1150-1151
Presser, A.	"Interdigitated Microstrip Coupler Design", <i>IEEE Transactions on Microwave Theory and Techniques</i> , Vol. MTT-26, No. 10, October 1978, pages 801-805
Kumar, et al.	"Monolithic GaAs Interdigitated 90 Degree Hybrids With 50- and 25- OHM Impedances", 1982 IEEE Microwaves & Millimeter Wave Circuits Symposium, Dallas, TX 1982
Lange, J.	"Interdigitated Stripline Quadrature Hybrid", <i>G-MTT Int., Microwave Symposium Digest</i> , pages 10-13, May 1969

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	Lane, J., "Interdigitated Stripline Quadrature Hybrid", <i>IEEE Transactions on Microwave Theory and Techniques</i> , December 1969, pages 1150-1151
	Waugh, R. et al., "Unfolding the Lange Coupler", <i>IEEE Transactions on Microwave Theory and Techniques</i> , November 1972, MTT-20, pages 777-779

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